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SERVICE BULLETIN

NO. A361-71-2

Conversion Procedure To Convert Norco Inc. Strut Assembly A361-5 To A361-9

1. PLANNING INFORMATION

A. Effectivity

(1) Component Affected

This Service Bulletin affects the following hold open rods that are in service.

<u>Norco P/N</u>	<u>Serial Numbers</u>
A361-5	All

(2) Spares Affected

This Service Bulletin affects those units listed above that are in airline Spares stores, if applicable.

B. Reason

The incorporation of this Service Bulletin will provide a procedure to convert an A361-5 strut assembly into an A361-9 strut assembly.

C. Description

This Service Bulletin is to inform all users of the procedures and detailed instructions required for reworking Norco part number A361-5. The reworking requires reorientation of the universal assembly on the A361-5 to the orientation required on A361-9.

D. Approval

The repair and modifications herein comply with the applicable Federal Aviation Regulations (FARs) and are approved by Short Bros.

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E. Manpower

Remove Rod Assembly from Aircraft	.2 Hrs.
Reorient universal	.3 Hrs.
Replace Rod Assembly in Aircraft	.2 Hrs.
TOTAL	.7 Hrs.

F. Material Cost and Availability

The parts identified in Section 3A may be obtained from Norco, Inc. as follows:

<u>Part No.</u>	<u>Description</u>	<u>Availability</u>	<u>Price</u>
RW361-5	Rework kit	10 Days /Stock	\$100.00

DIRECT PURCHASE ORDER TO: Goodrich Aerostructures Group
Att: Aftermarket Services
850 Lagoon Drive
Chula Vista, CA91910-2098
Phone: 619-691-2089 Fax: 619-691-3916
Sita: S D M R H C R
Website: <https://parts.asg.goodrich.com>

G. Tooling - Cost and Availability

Not applicable.

H. Weight and Balance

The incorporation of this Service Bulletin will have no effect on weight and balance.

I. Other Publications Affected

None.



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2. ACCOMPLISHMENT INSTRUCTIONS

A. Disassembly (See Figure 1)

- (1) Cut safety wire MS20995C32 and discard.
- (2) Using a .500 open-end wrench, loosen jam nut AN316-5 approximately 4 turns by rotating counterclockwise.
- (3) Slide retaining device 108C0312-01 back with jam nut AN316-5.
- (4) Slide washer rod end 120C0000-5 back out of slot in strut end fitting.
- (5) Remove universal from strut assembly by rotating counterclockwise.
- (6) Discard washer rod end 120C0000-5 and retaining device 108C0312-01.

B. Assembly (See Figure 1)

To reorient universal from A361-5 configuration to A361-9 configuration follow the following steps:

- (1) Washer rod end 120C0000-5 is to be replaced with NAS1193K5CP locking device.
- (2) Replace jam nut AN316-5 and new retaining device 108C0312-01 on threaded shaft of universal.
- (3) Install bottom part of NAS1193K5CP so that internal key engages key slot in universal shaft with the serrations facing the end of the threaded shaft.
- (4) Position top part of NAS1193K5CP so that serrations are engaged with serrations on bottom part.
- (5) Engage threaded shaft of universal in threaded bore of strut end fitting.

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- (6) Thread universal into strut end fitting by rotating clockwise.
- (7) Continue rotating until extended and locked length of $43.00 \pm .06$ is obtained.
- (8) Adjust position of universal joint as shown on figure 1.
- (9) Engage key on top part of NAS1193K5CP with slot in strut end fitting
- (10) Engage serrations of bottom part with top part.
- (11) Rotate jam nut AN316-5 and retaining device 108C0312-01 together clockwise until contact with NAS1193K5CP is made.
- (12) Torque jam nut AN316C5 to 30/50 lb.-in.
- (13) Install new safety wire MS20995C32 in accordance with MS33540.

C. Re-identification

After converting A361-5 to A316-9, part number on identification label shall be changed.

- (1) Using a black indelible marker, blank out the existing -5 identification number.
- (2) Using a black indelible marker, add the new -9 identification number.

D. Warranty

A trained airline mechanic performing the required rework in accordance with paragraphs A through C accomplishment instructions will not affect Norco Inc. warranty.



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3. MATERIAL INFORMATION

A. Parts Required Per Hold Open Rod

A rework kit is available, part number RW361-5, which contains the following parts to rework hold open rod A361-5.

P/N Provided	Quantity	Keyword
NAS1193K5CP	1	Locking Device
MS20995C32	6"	Safety wire
108C0312-01	1	Retaining Device

B. Parts Required to Modify Spares

(If Applicable) Same parts as items 3A. Above.

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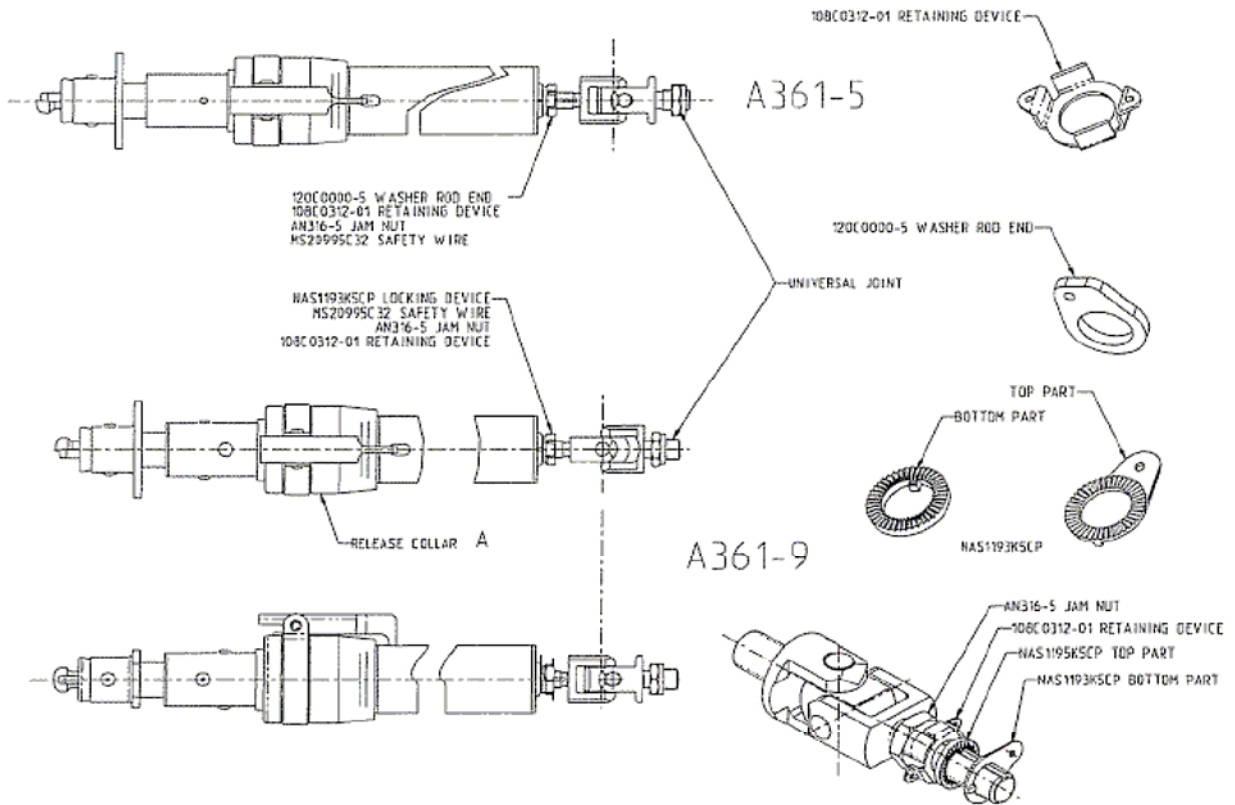


FIGURE 1

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